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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/823, 744	03/25/97	SALESKY	J 17648-2

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TM31/0813

EXAMINER

VAUGHN JR, W

ART UNIT	PAPER NUMBER
2152	27

DATE MAILED: 08/13/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

TM31/0813

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/823,744	03/25/97	012	VAUGHN JR, W	2152 08/13/01
First Named Applicant	SALESKY, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION: COMPUTER CONFERENCING SYSTEM WITH REAL-TIME, MULTIPONT, MULTI-SPEED, MULTI-STREAM SCALABILITY

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2 17648-2	709-204.000	K43	UTILITY	YES	\$620.00	11/13/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or

B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B-Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.

Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

**PATENT AND TRADEMARK OFFICE COPY**

<b>Notice of Allowability</b>	Application No.	Applicant(s)
	08/823,744	SALESKY ET AL.
	Examiner William C. Vaughn, Jr.	Art Unit 2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 06 June 2001.
2.  The allowed claim(s) is/are 1, 2, 23-31 and 38. Renumbered 1-12.
3.  The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

5.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a)  The translation of the foreign language provisional application has been received.
6.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8.  CORRECTED DRAWINGS must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No. 11.
  - (b)  including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- |  |  |
|--|--|
| <input type="checkbox"/> Notice of References Cited (PTO-892)  | <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>26</u> |
| <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____.   | <input checked="" type="checkbox"/> Examiner's Amendment/Comment                     |
| <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance    |
|  | <input type="checkbox"/> Other   |

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8/13/01  
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### **DETAILED ACTION**

1. This Action is in response to the Reply and Amendment received 6 June 2001.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicant's attorney, Horace H. Ng, Registration No. 39,315 on 10 August 2001.

3. The application has been amended as follows:

#### **IN THE CLAIMS:**

Please cancel **claim 32** without prejudice.

Please amend **claims 1 and 2** as follows:

- 
1. (FOUR TIMES AMENDED) A conferencing system comprising:
    - at least one client;
    - a conference server;network connections between the conference server and the at least one client, wherein the at least one client maintains a version of a shared portion of a display, wherein the conference

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server updates said version of said shared portion of said display with data updates, after taking into consideration the network connections speeds and loads and client computing speeds and loads, wherein the conference server is capable of delivering the data updates in an output data type selected from base uncompressed data, base compressed data, differenced uncompressed data and differenced compressed data, and wherein the output data type is selected based on the network connections speeds and loads, conference server computing speeds and loads, and client computing speeds and loads, and wherein the conference server is capable of transmitting said shared portion of said display to two or more clients in parallel.

2. (FOUR TIMES AMENDED) A conferencing system comprising:
- at least one client;
  - a conference server;
  - network connections between the conference server and the at least one client, wherein the at least one client maintains a version of a shared portion of a data set, wherein the conference server updates said version of said shared portion of said data set with data updates after taking into consideration the network connections speeds and loads and client computing speeds and loads, wherein the conference server is capable of delivering the data updates in an output data type selected from base uncompressed data, base compressed data, differenced uncompressed data and differenced compressed data, and wherein the output data type is selected based on the network connections speeds and loads, conference server computing speeds and loads, and client

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computing speeds and loads, and wherein the conference server is capable of transmitting said shared portion of said data set to two or more clients in parallel.

#### ***Reasons For Allowance***

4. The following is an examiner's statement of reasons for allowance: Interpreted in view of the specification, Applicant's invention shows novelty in the use of a conferencing system comprising at least one client, a conference server, network connections between the conference server and the at least one client, wherein the at least one client maintains a version of a shared portion of a display, wherein the conference server updates said version of said shared portion of said display with data updates, after taking into consideration the network connections speeds and loads and client computing speeds and loads, wherein the conference server is capable of delivering the data updates in an output data type selected from base uncompressed data, base compressed data, differenced uncompressed data and differenced compressed data, and wherein the output data type is selected based on the network connections speeds and loads, conference server computing speeds and loads, and client computing speeds and loads, and wherein the conference server is capable of transmitting said shared portion of said display to two or more clients in parallel., as stated and argued by Applicant in paper 25, as well as the enabling portion of Applicant's specification (see pages 17, 18 and 27-30).

5. After careful consideration, Applicant's arguments (paper 25, as well as the enabling portions of the specification, page 17, lines 24-32, page 18, page 27, lines 8-16, pages 28-30)

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have been considered persuasive, and that the use of wherein the conference server is capable of delivering the data updates in an output data type selected from base uncompressed data, base compressed data, differenced uncompressed data and differenced compressed data, and wherein the output data type is selected based on the network connections speeds and loads, conference server computing speeds and loads, and client computing speeds and loads. These features are not expressly taught or suggested in any of the prior art of record, as stated by Applicant in, papers 19 and 25 as well as Applicant's enabling portions of the specification.

6. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. **Claims 1, 2 23-31 and 38** are allowable.

*Title*

9. Pursuant to M.P.E.P. § 606.01, the title has been changed to read as follows:

-- A COMPUTER CONFERENCING SYSTEM WITH REAL-TIME, MULTIPPOINT, MULTI-SPEED, MULTI-STREAM SCALABILITY--

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***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Vaughn, Jr. whose telephone number is (703) 306-9129. The examiner can normally be reached on Monday through Friday from 8:00 to 4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart, can be reached on (703) 305-4815. The fax phone number for this Group is (703) 305-9731 (formal communication) or (703) 746-5488 (for informal or draft communications, please label "PROPOSED" or "DRAFT"). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-9600.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, DC 20231

**OR:**

Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal  
Driver, Arlington, VA., Sixth Floor (Receptionist)

WCV

Patent Examiner  
AU 2152  
August 11, 2001



MARK H. RINEHART  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

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